

What is claimed is:

- Sub A1*
1. A method of voice and positional location data radio communication over a cellular phone network having a cellular radio voice channel path communicating with a network operations control center and a data radio channel path separately communicating with said network operations control center, the method comprising user voice -calling the control center, from a portable cellular telephone location over the cellular voice path, requesting location and other information services; upon user verification, sending a radio signal from the control center over the data channel path to be received at said location; providing a radio transponder and GPS receiver and microprocessor module at said location; activating the GPS receiver, in response to receipt of said radio signal, to receive and process location data from the GPS satellite constellation for the vehicle and to activate the transponder to transmit the processed location data over the data channel path to said control center; associating the transmitted location data with the user voice call request at the control center; and sending location services information from the control center to the user.
2. The method of claim 1 wherein said location services information is sent from the control center over the cellular radio-voice channel path to the user.

- Sub A17
- 10044760184229960
3. The method of claim 1 wherein said data channel path is selected from the group consisting of satellite communications links, two-way paging networks and through web portals via the internet.
 4. The method of claim 1 wherein said voice channel path is selected from the group consisting of SMR, VHF, UHF, GSM, satellite and cellular telephone network control channel links.
 5. The method of claim 1 wherein vehicle fleet dispatchers or managers access the GPS-transponder modules of the vehicles of the fleet tracking the location of such vehicles of the fleet without interrupting the vehicle driver or user.
 6. The method of claim 5 wherein the dispatchers or managers also access a web portal for obtaining information options through the internet.
 7. The method of claim 1 wherein the vehicle user, when remote from the vehicle, accesses a web portal interfacing with said channels to determine the location of the vehicle.
 8. A system for voice and positional location data radio communication over a cellular phone network having a cellular radio voice channel path communicating with a network operations control center, the system having also a data radio channel path separately communicating with said network operations control center, said system
- Cont.

having, in combination, a portable cellular telephone for user voice-calling to the control center over the cellular voice path; for requesting user location information services; means operable upon user identification, for sending a radio signal from the control center over the data channel path to be received at the user location; a radio-transponder GPS receiver and microprocessor module disposed at said location; means for activating the GPS receiver of the module in response to receipt of said radio signal, to receive and process location data from the GPS satellite constellation for the vehicle and to activate the transponder to transmit the processed location data over the data channel path to said control center; and means for sending location services information from the control center to the user upon associating the transmitted location data with the user voice call request.

- A
Conc.
- 00417601-022020160
9. The system of claim 7 wherein said location services information is sent from the control center over the cellular radio voice channel path to the user.
 10. The system of claim 7 wherein said data channel path is selected from the group consisting of satellite communications links, two-way paging networks and through web portals via the internet.
 11. The system of claim 7 wherein the said voice channel path is selected from the group consisting of SMR, VHF, UHF, GSM, satellite and cellular telephone network central channel links.

12. The system of claim 7 wherein software is provided to enable vehicle fleet dispatchers or managers to access the GPS-transponder modules of the vehicles of the fleet, enabling the tracking of the location of such vehicles without interrupting the vehicle driver or user.
13. The system of claim 12 wherein means is provided for enabling the dispatchers or managers also to access a web portal interfacing with said channels for obtaining fleet information options through the internet.
- Sub A1*
14. The system of claim 7 wherein the vehicle user is provided with means, operable remotely from the vehicle, for accessing a web portal interfacing with said channels to determine the location of the vehicle.

DOCTEG-004229860